

# Teaching animals to graze efficiently may save money

2 Aug 1987

LOGAN — Sheep and cattle don't have huge IQs, but they may be smarter than we realize.

It may be possible to help cattle and sheep learn how to graze more efficiently, adjust better to feedlots and avoid poisonous plants, all of which could mean substantial savings to producers.

Researchers with the Utah Agricultural Experiment Station studying exactly how and when animals learn say that lambs and calves apparently learn much more readily during the first year of life and tend to imitate the behavior of other animals, particularly their mothers.

The researchers presented their findings this week at Utah State University at the annual meeting of the American Society of Animal Science.

Learning by trial and error seems to be more important in learning which plants to avoid rather than in acquiring new tastes.

Training calves and lambs what and how to eat could ease their adjustment to feedlots, thus avoiding costly

decreases in weight gains and stress-related ailments. Similar techniques could also help animals learn to graze more efficiently.

Several studies indicate that adult livestock grazing unfamiliar ranges spend 25 percent more time grazing but consume 40 percent less forage than experienced livestock.

The dietary habits and grazing patterns of adult animals appear to be largely fixed.

Adult animals are reluctant to eat new foods, said range scientist Fred Provenza, who is studying livestock foraging behavior with animal behaviorist Dave Balph.

Numerous accounts support the researchers' theories, but more information is required before they can be put into widespread practice.

In cooperation with the U.S. Department of Agriculture Poisonous Plant Research Laboratory, researchers fed a substance that made young cattle ill after consuming larkspur, a palatable but poisonous plant.

# RUSSELL

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The Lion House was designated a national historic landmark on Jan. 28, 1964, but the Beehive House and the smaller offices were excluded.

"What the National Park Service is now considering is an enlargement or expansion of the existing (landmark status)," said Greg Kendrick, a historian with the Park Service's Denver regional office.

The proposal to enlarge the landmark is in a study by Rickey Hendricks, also a historian with the Denver office. In January, Hendricks mailed her study to NPS officials in Washington, D.C.

It is being reviewed by the agency's chief historian. Next it may be returned to Denver for revision or sent directly to a national advisory committee.

If the committee supports the proposal, the expansion of the national historic landmark will probably be announced by Interior Secretary Donald Hodel.

"We heard from them (Washington officials) informally on the phone," said Kendrick. "They think it's a real strong nomination. However we

"The buildings are nationally significant for their association with events and an individual of transcendent importance in American history.

"They were the working and living space of Brigham Young, the predominant political and religious figure in Utah Territory. From 1852, when their construction began, through Young's death in 1877, the buildings are closely associated with the major political and social events of the era."

The complex served as a model for structuring the Mormon household within the larger Mormon "City of Zion," the report says.

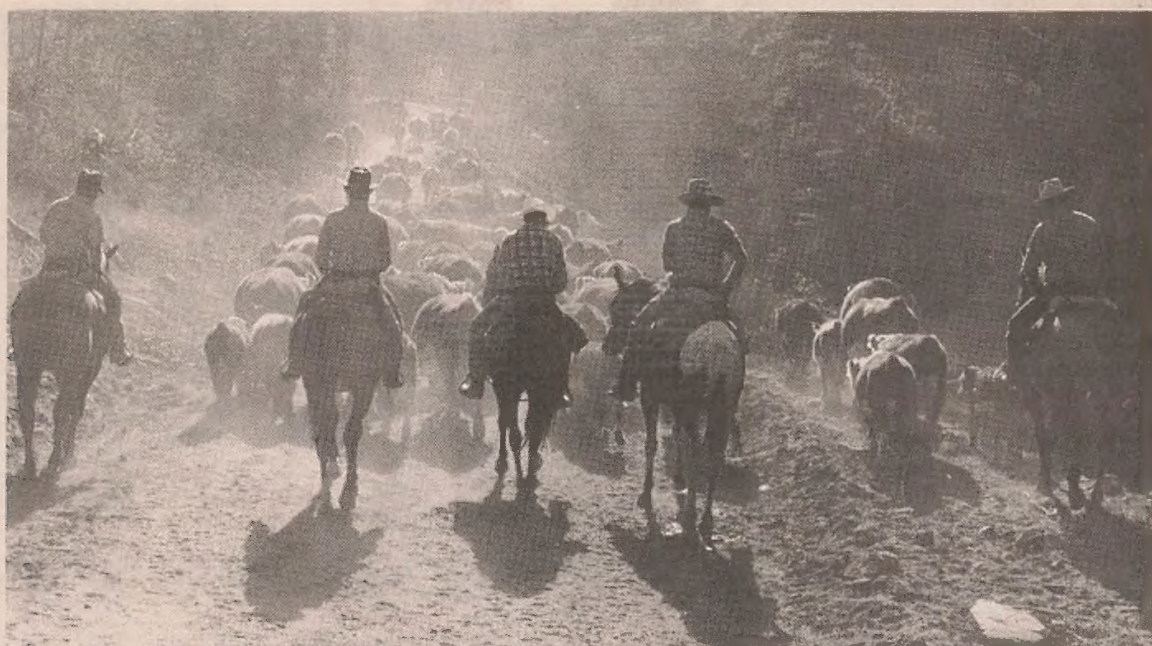
National landmarks automatically become part of the National Register of Historic Places and have some limited legal protection attached to them. Federal action that could harm the integrity of the landmark — such as building an interstate highway there — can only take place after review by the State Historic Preservation Office and the national advisory council on landmarks.

Also, Congress is kept informed of the status of national landmarks, many of which are privately owned.

An advantage of landmark status is that if a structure needs rehabilitation to restore its structural integrity, a small NPS grant can help out.

"There's no control over private





Eating the dust from a herd of cattle, the cowboys for a day mosey along.

9-29-87

# From courtrooms to cowboys, local barristers take to the trail

By PATRICK CHRISTIAN  
Herald Staff Writer

Sunbeams from an early morning sun filtered through aspens on the ridge in Joes Valley.

The cattle bellowed as cowboys drove them through the valley toward the dirt road that leads from the valley to Castledale.

Among the cowboys were 8th Circuit Court Judge Lynn Davis and Utah District 62 legislator Jeril Wilson, both Utah County residents.

They were helping their friend Scott Johansen drive his herd from summer range last week.

Sitting atop Betsie, one of Johansen's horses, Judge Davis pointed at Wilson and smiled.

"The reason I bring him along is so we can have some horse sense in the legislature."

Wilson, on Candy, appeared to be the old hand on horseback demonstrating some experience as he quickly guided strays back into the main herd.

"I've always liked to ride and have a couple of horses of my own," Wilson said.

The day began after waking up in Johansen's cabin and a big

cowboy breakfast cooked by Johansen's mother.

They had stayed up late the night before telling stories of humorous experiences in the legal profession. Johansen is the Sevier County Attorney along with ranching.

But the task at hand was to round up about 200 cows in the valley.

After a few hours, the trio was met by other riders who would take over and drive the herd to Castledale.

Johansen, Wilson and the Judge rode off into the mountains searching for strays.

They rode to the top of the east ridge but didn't find any cows.

On the ridge they surveyed the changing leaves of red and gold.

"It's beautiful isn't it," Wilson said.

Johansen said cowboying was his first love and all he really wants to do.

He says he went to law school so he can help support the family ranch.

"You can't make a decent living ranching in Utah, but I love

it. If I had a million dollars, I would stop everything else and just do this."

Reaching Joes Valley again, the group moved another herd of cattle from one field into another and rode back to the Johansen's cabin in Upper Joes Valley. Johansen's father, Eugene was barbecuing steaks on the porch.

Before dinner, they played horseshoes and plinked away at a target with the Judge's .22 caliber revolver.

"It's the highlight of my year when I come out here to Scott's ranch," Wilson said over dinner.

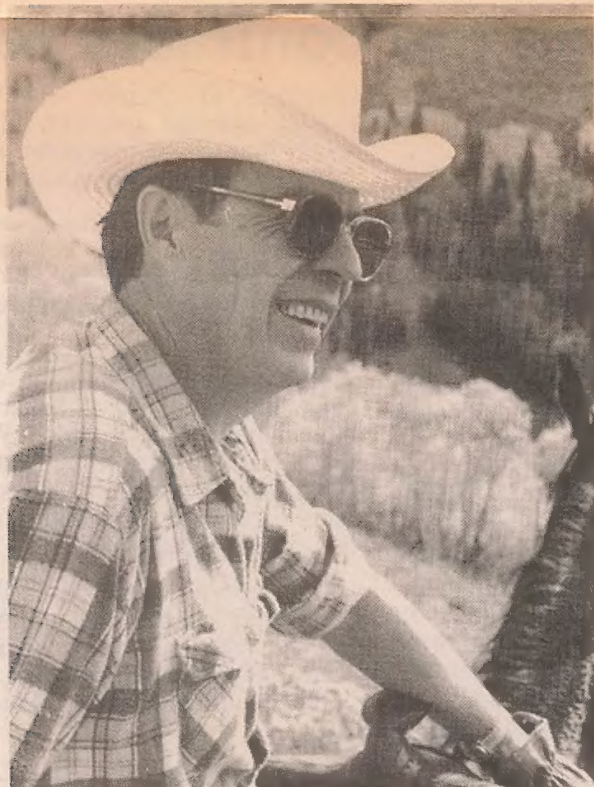
He comes out a couple times each year to help and to enjoy getting away from the stresses of civilization, he says.

"It's a paradise out here. It relieves a lot of the stress I face," said Judge Davis.

After dinner, goodbys were said and Wilson and the judge drove back to Utah County.

Johansen stayed. Saturday was going to be a big day.

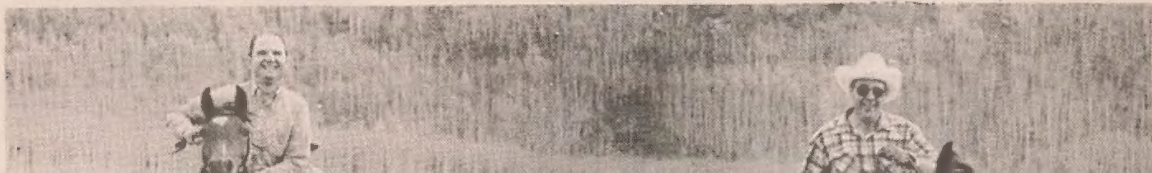
"We have to dehorn young steers born in the spring. They missed spring dehorning," he said.



Jeril Wilson



Judge Lynn Davis





posal to renovate Academy Square and turn the campus into apartments and a commercial development can not proceed, according to Craig Call.

Call, president of Historic Utah, Inc., the organization that holds title to the Academy, said with the city's help, the project could be outstanding and "clean up the blight at 500 North as well as bring an \$8.5 million investment to Provo."

The bond issue will come before the Provo City Council again tonight in a study session and then the regular council meeting.

The project would include apartments for the elderly or married students and commercial space for offices, a bank, a restaurant, etc.

Provo's participation in the proposal, if passed by the city council, would include issuing \$6-7 million in bonds, providing a "moral obligation" endorsement of the bonds, helping find a way to close a \$500,000 funding gap and rezoning property north of 600 North.

According to Call, the moral obligation "will simply allow the purchasers to assume that if there is ever a problem with payment from the project, the city will step in and help with cash flow shortages."

Call said developers would do everything possible to limit the city's risk in the project. For example, there would be a \$1 million reserve fund available to make bond payments if needed.

The first reserve fund would carry the payments on the bonds even if the project were only half full for 10 years, Call said. Even Provo Town Square with all its problems has 70-80 percent occupancy.

In addition, he said, Academy Square is a more stable project because of its prime location with good parking, new construction on the commercial space and stable rents that would come in from the residential apartments.

Call also said no bond money would be used until the buildings are complete, paid for and leased up to a break-even cash flow.

The bonds would be issued as a "moral obligation" of the city. That means the city would be morally obligated to assist with the project in case of a default, but would not be under a fully binding legal commitment, he said.

He also said only \$6 million in bonds would be issued — \$1 million of which are reserve funds — for a project that has an assessed value of \$8.5 million. Before Provo City would need to help with cash flow on the project, investors would also have had to lose their \$3 million in equity.

## Bonneville principal one

WASHINGTON — Brent L. Milne, principal of Bonneville Elementary in Orem, has been named one of 59 "National Distinguished Principals" by the U.S. Department of Education and the National Association of Elementary School Principals.

The department and NAESP initiated the awards program in 1984 to recognize the importance of elementary and middle school principals in shaping the character and quality of children's education.

Milne, who lives in American Fork, and the other principals representing all 50 states and a number of private and overseas schools, have been invited to Washington Oct. 9 to receive awards at a banquet.

"It's a great honor to be selected by my peers to receive this award," Milne said. "It's a great opportunity."

Milne, who has been principal at Bonneville for 11 years, said he is looking forward to his

trip to Washing

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## Police seek man for

**INDECENT EXPOSURE** — An adult male reportedly exposed himself to 6- and a 9-year-old females in the vicinity of 500 N. 800 E., Provo. A description of the suspect was not immediately available.

**AGGRAVATED BURGLARY** — Utah County Sheriff's officers arrested a man Sunday in connection with an aggravated burglary that occurred on north Geneva Road Friday.

Detective Mike McConnell said a woman returned to her home for lunch Friday and caught a man in her house. She struggled with and tried to detain him, then chased him out of the house and got his vehicle license number.

Police arrested a man Sunday in Sandy in connection with the incident. McConnell said the arrest was made possible by the woman's quick thinking in obtaining a complete description of the suspect and vehicle and the license number.

Although a small amount of property was reported missing from the home, he said, the

woman must have arrive shortly after the burglar got there.

**CAR THEFT** — Heber City — Two men escaped injury when their stolen vehicle crashed last Saturday morning at about 3:30 in Provo. The also escaped the accident scene on foot, according to the officer pursuing them, BY Police Officer Jeff Robinson. second car stolen nearby short time later was also a

## Sanpete Count

A four-day blaze that charred more than 3,000 acres west of Indianola in Sanpete County was "contained and almost out" this morning, according to the Sanpete County Sheriff.

"A fire line and been constructed all the way around the fire and our fire marshal is one the scene to make sure the fire will burn itself out within the line," said Sheriff Chuck Ramsey.

The sheriff believes th

## Revising fire contracts se

By MARGARET HAMMERLAND  
Herald Staff Writer

The Orem Fire Department and the Utah County Commissioners have come to a tentative agreement regarding a 1987 fire protection contract between the two entities.

But before Orem or other cities providing fire service to the county sign 1988 contracts, the agreements will undergo revisions.

Orem has actually been operating without a contract since January. At Monday's county commission meeting, Orem officials and the commissioners said they were in favor of Orem's continuing to provide fire service under the terms of its 1986 contract.

But Ted Peacock, Orem's

Director of Public Safety raised several concerns he would like to see addressed as 1988 contracts are prepared.

He said he would like to see a provision in the contract allowing the department to perform pre-fire plans and inspections.

"We are responsible for an area that has a lot of hazardous chemicals," he said. "We don't want to expose our people to those hazards unless we have been there first and have done pre-fire planning."

He said he would also like the county to consider adjusting the rate of pay for equipment and manhours because it is not equitable as it stands now.

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grade equivalent score in just 36 instruction hours. Or we will provide up to 12 additional hours of instruction, at no further cost.

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